

# Converting Colors

HunterLab(87.5788, -57.3796,  
33.4072)

Have a look what the booklet for  
HunterLab(87.5788, -57.3796,  
33.4072) contains.

<b>HunterLab(87.5930, -57.3246, 33.4400)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(87.5930,  
-57.3246, 33.4400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69FF96
RGB	105, 255, 150
RGB Percent	41%, 100%, 59%
CMY	0.5882, 0.0000, 0.4118
CMYK	0.59, 0.00, 0.41, 0.00
HSL	138°, 100%, 71%
HSV	138°, 59%, 100%
XYZ	47.0908, 76.7253, 41.1817
YIQ	198.1800, -55.6950, -64.4550

# Conversions

## Conversions Part 2

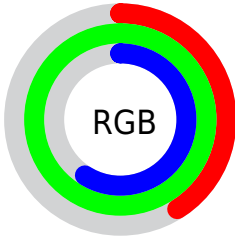
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">105, 220, 255</a>
Decimal	<a href="#">6946710</a>
CIELab	<a href="#">90.20, -62.09, 38.46</a>
CIELCh	<a href="#">90, 73.039, 148.229</a>
Yxy	<a href="#">76.7255, 0.2854, 0.4650</a>
Android (android.graphics.Color)	<a href="#">4285136790 (0xFF69FF96)</a>
YUV	<a href="#">198.1800, -23.7527, -81.7189</a>
Hunter-Lab	<a href="#">87.5930, -57.3246, 33.4400</a>

# Details

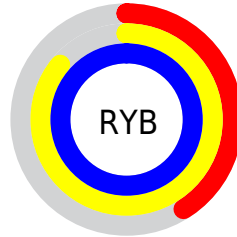
The HunterLab color **87.5930, -57.3246, 33.4400** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **60.0139, 67.2613, -22.0789**, and the grayscale version is **75.3391, -4.0199, 4.0933**.

A 20% lighter version of the original color is **91.7296, -38.4860, 18.5176**, and **64.0285, -49.2565, 27.8916** is the 20% darker color. If you saturate the color by 10%, you get **86.5298, -62.3074, 37.2330**, and if you desaturate by 10%, it is **88.9535, -51.1268, 29.2736**.

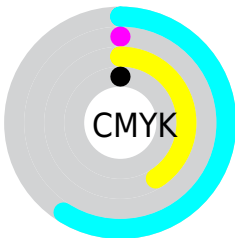
# Distribution



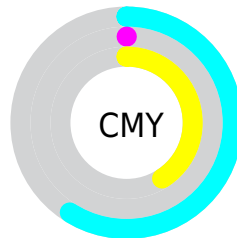
- Red (41%)
- Green (100%)
- Blue (59%)



- Red (41%)
- Yellow (86%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the HunterLab color 87.5930, -57.3246, 33.4400 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the HunterLab color 87.5930, -57.3246, 33.4400 by changing the saturation by 10% instead.





 87.5930, -57.3246,  
33.4400


 87.5930, -57.3246,  
33.4400


219.9608,  
-88.0644, 55.1067


 75.5166, -53.4044,  
30.7672


 113.4689,  
-64.7491, 38.5575

 64.0526, -49.3089,  
27.9973


 127.2200,  
-68.2965, 41.0287

 53.2358, -44.9970,  
25.1063


 141.4856,  
-71.7548, 43.4540

 43.1074, -40.4137,  
22.0635

156.2479,  
-75.1358, 45.8407

 33.7179, -35.4811,  
18.8281

171.4906,  
-78.4497, 48.1947

 25.1308, -30.0847,  
15.3478


187.1991,


 17.4296, -24.2633,


-81.7046, 50.5209


12.2007


203.3600,  
-84.9075, 52.8238


 10.7311, -18.7794,  
7.5118


 1.4697, -2.5720,  
1.0288


 87.5930, -57.3246,  
33.4400


 87.5930, -57.3246,  
33.4400


 86.5298, -62.3074,  
37.2330


 88.9535, -51.1268,  
29.2736


 85.7474, -66.0906,  
40.6098

 90.6204, -43.7451,  
24.7889

 85.2214, -68.7384,  
43.5342

 92.5974, -35.2423,  
20.0429

 84.9106, -70.4029,  
45.9765

 94.8829, -25.7073,  
15.0951

■ 84.8816, -70.5618,  
46.2281

■ 97.4714, -15.2453,  
10.0029

100.0000, -5.3358,  
5.4332

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5931, -35.8507, 45.8908



87.5930, -57.3246, 33.4400



87.5931, -65.0454, 6.8340

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5931, -57.3239, 33.4392



87.5931, -6.8665, -93.4254



87.5931, 67.2238, 31.1167

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



87.5930, -57.3246, 33.4400



60.0139, 67.2613, -22.0789

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5931, 78.3691, 2.6503



87.5930, -57.3246, 33.4400



87.5931, 31.5729, -78.2663

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5931, -57.3239, 33.4392



87.5931, -39.0761, -74.4806



87.5931, 64.3755, -38.8713



87.5931, 36.0131, 44.9942



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5930, -57.3246, 33.4400



87.5931, -62.5236, -19.1520



87.5931, 64.3755, -38.8713



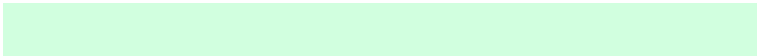
87.5931, 73.6476, 23.4048

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



87.5931, -57.3239, 33.4392



95.0845, -24.8800, 14.6808



92.8664, -37.7931, 48.0293



43.6648, -12.8512, 7.4678

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5931, -57.3239, 33.4392



86.3362, -63.2319, 38.0051



89.4202, -46.3421, 7.0570



45.0087, -7.3957, 4.7900



61.3758, -50.8895, 33.1414



19.1992, -15.5811, 9.6377



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



60.0139, 67.2613, -22.0789



55.0936, 79.1613, -23.9230



57.5438, 56.4607, 12.8288



42.6639, 2.9359, -0.0096



35.8141, 66.1287, -14.0354

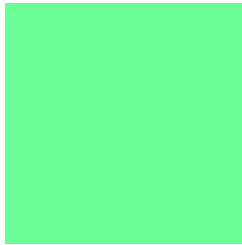


11.2615, 20.9424, -5.5660



# Previews

## White Background



This preview shows how the HunterLab color 87.5930, -57.3246, 33.4400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 87.5930, -57.3246, 33.4400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

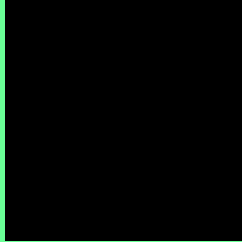
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 87.5930, -57.3246, 33.4400 Background



This preview shows how black text looks on a background with the HunterLab color 87.5930, -57.3246, 33.4400.



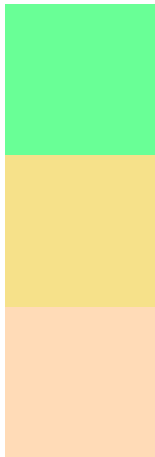
This preview shows how white text looks on a background with the HunterLab color 87.5930,

-57.3246, 33.4400.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

87.5930, -57.3246, 33.4400

### Protanopia

86.7630, -8.8126, 36.8776

### Deuteranopia

86.7997, 2.5790, 22.9295



## Tritanopia

87.3053, -23.9427, -10.8712

# Trichromacy



## Original Color

87.5930, -57.3246, 33.4400



## Protanomaly

85.7590, -30.6391, 34.6153



## Deuteranomaly

85.4007, -23.9867, 25.4552



## Tritanomaly

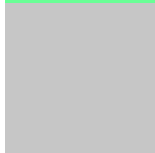
87.0652, -37.9140, 8.2818

# Monochromacy



## Original Color

87.5930, -57.3246, 33.4400



## Achromatopsia

75.1473, -4.0097, 4.0829



## Achromatomaly

78.6713, -26.5382, 15.0660

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 87.5930, -57.3246, 33.4400 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(105, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 150)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(105, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 150) }
```

## Border

The CSS property to change the border of an element to HunterLab 87.5930, -57.3246, 33.4400 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 255, 150) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(105, 255, 150) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(105, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
150) }
```

# Background

The CSS property to change the background color of an element to HunterLab 87.5930, -57.3246, 33.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 150) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(105,  
255, 150) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor